

**REMARKS**

Claims 1-21 pending. Claims 33-39 are new. Claims 22-32 were previously cancelled. Claims 1-9, 12-16 are amended. Claims 17-21 are allowed.

Claims 1 - 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Arnstein et al. (US 5,889,821, hereinafter “Arnstein”) in view of Hall (US 3,543,156) and further in view of McFarland (WO 03/050560). Claim 1 is amended responsive thereto. The dependent claims are amended as necessary to render them consistent or to correct claim dependencies.

The applicant notes that the web site for WIPO states that WO 03/050560 was published in the U.S. as US 2003/107512 A1. Accordingly, the applicant will refer to the U.S. publication as "McFarland".

The official action rejected claim 1 because Arnstein teaches a radio front end, a baseband processor, producing a corresponding control signal to the baseband processor to inhibit wireless transmissions from the radio front end while the radar pulse pattern is being detected. In support therefor, the official action cites col. 6, lines 54-61 of Arnstein noting that no transmissions are made at all. Additionally, the actions states that Arnstein teaches that the baseband processor does not produce outgoing digital signals based on the control signal. The action cites col. 9, lines 1-6 and col. 6, lines 54-61 and notes that no outgoing signals are made at all.

The Applicant does not believe that the cited art teaches what is being claimed because the claim elements of claim 1 require a different response than is taught by Arnstein when radar pulses are detected. Namely, the cited art does not teach inhibiting transmissions while a radar signal is being detected.

Arnstein, in col. 6, lines 54-61, states that a “receive terminal”, during “the radar’s ON time” that “the received RF signal is blanked out.” Thereafter, a modified error correction scheme is used to compensate for the blanked out portion of the received signal to make the radar interference transparent so that “service is restored to the level of quality provided by conventional systems as if there were no radar present.” (Col. 7, lines 1-3). McFarland, on the other hand, generally teaches finding a non-conflicting channel when a radar signal is detected

and does not specifically teach inhibiting a transmission while a radar signal is being detected. McFarland does disclose, however, that transmitting in the specified frequency bands is prohibited as long as a radar signal is present.

Claim 1 has been amended to include the following limitations:

*radar detection circuit coupled to receive the digital low frequency signal, wherein the radar detection circuit further includes:*

*multiplication circuitry for receiving and squaring the low frequency digital signal to produce squared components of the low frequency digital signal;*

*logarithmic conversion block for producing a logarithmic signal based on the squared components of the low frequency digital signal; and*

*a threshold comparison state machine that receives the logarithmic signal and generates a control signal indicating that a radar signal has been detected while the radar pulse pattern is being detected.*

As these limitations are similar to limitations in allowed claim 17, it is believed that claim 1, as amended, overcomes the grounds of rejection.

New claims 33-39 are method claims that are similar to claim 1 and its dependent claims. Because claims 22-32 were previously cancelled, and only 3 independent claims are present in the pending application, no additional fees should be required for these new claims.

**CONCLUSION**

It is believed that the foregoing amendments places the Application in condition for allowance; therefore, Applicant respectfully requests withdrawal of the Examiner's rejection of claims 1-16 as set forth the Office Action, and full allowance of same.

Should the Examiner have any further comments or suggestions, it is respectfully requested that the Examiner contact the undersigned attorney to expeditiously resolve any outstanding issues.

Respectfully submitted,  
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